SONY 3-756-810-21 (1)

WALKMAN

Radio Cassette Player
WM-FX28
Operating Instructions

WALKMAN is a trademark of Sony Corporation.

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OWNER'S RECORD

The model number is located on the bottom and the serial number is located inside the cassette holder. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. WM-FX28

Serial No. _____

INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

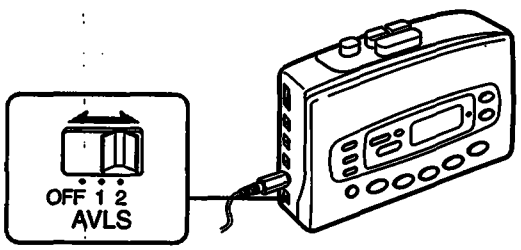
You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Featuring

AVLS (Automatic Volume Limiter System)

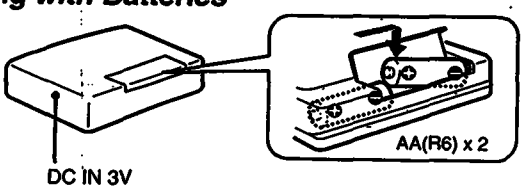
The AVLS selector allows you to limit the maximum volume of your Walkman personal stereo without degrading the sound quality.

- When the AVLS selector is set to either position 1 or 2 (around 95 dB, 85 dB respectively), the volume will be kept at a moderate level without the degradation of the sound quality, even if you attempt to turn the volume up higher.
- When the AVLS selector is set to either position 1 or 2, the playback sound may be distorted or unstable according to the music (especially bass boosted part). If this happens, turn down the volume.
- When the AVLS selector is turned off, you will be able to enjoy the full volume capability of your Walkman personal stereo.



Getting Started

Using with Batteries



Insert two AA (R6) batteries in correct polarity.

Notes

- When you are not going to use your Walkman for a long time, remove the batteries to prevent damage from battery leakage and corrosion.
- When the batteries become weak, the BATT indicator will glow faintly and the sound will be distorted or unstable. In such a case, replace both batteries.
- Replace both batteries within 15 minutes, and do not to remove them for at least 15 minutes once they are replaced, or all the memories will be canceled.

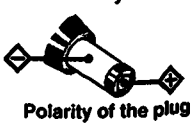
Using External Power Sources

You can connect the following external power sources through the DC IN 3 V jack located on the right side. (When you plug a cord into the DC IN 3 V jack, the internal batteries are automatically bypassed.)

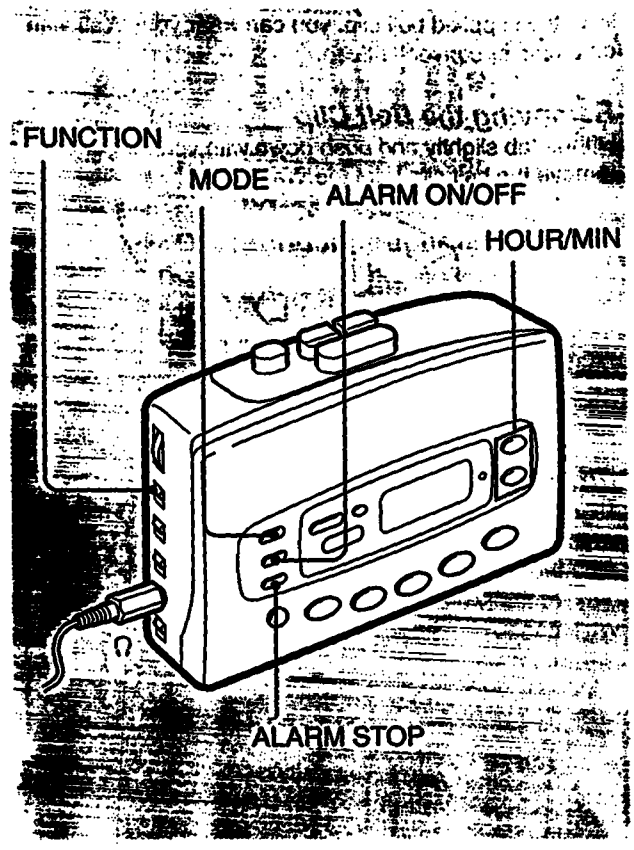
- House current using an AC-E30L AC power adaptor
- 12 V car battery using a DCC-E130L car battery cord

Note

Use only the recommended AC-E30L AC power adaptor (not supplied). Do not use any other AC power adaptor.

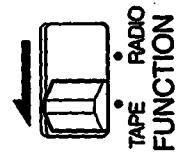


Setting the Clock

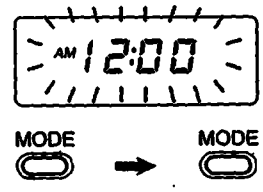


Setting Current time

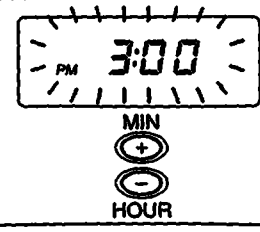
1 Set the FUNCTION selector to TAPE.



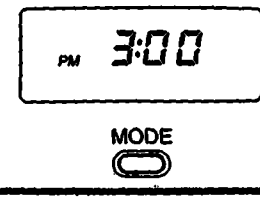
2 Press the MODE button twice to enter the current time setting mode.



3 Set the time by using the HOUR/MIN buttons within 10 seconds of flashing.

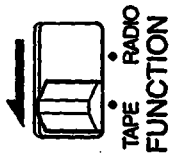


4 Press the MODE button once to return to the current time display.

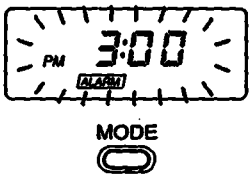


Setting the Alarm

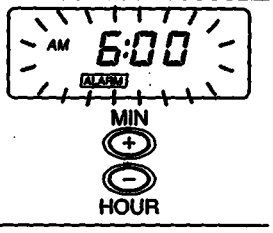
1 **Set the FUNCTION selector to TAPE.**



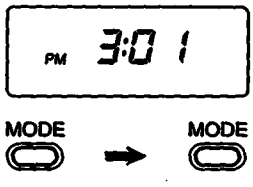
2 **Press the MODE button once to enter the alarm setting mode.**



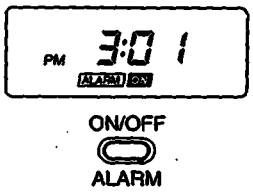
3 **Set the alarm time by using the HOUR/MIN buttons within 10 seconds of flashing.**



4 **Press the MODE button twice to return to the current time display.**



5 **Press the ALARM ON/OFF button to set the alarm on.**

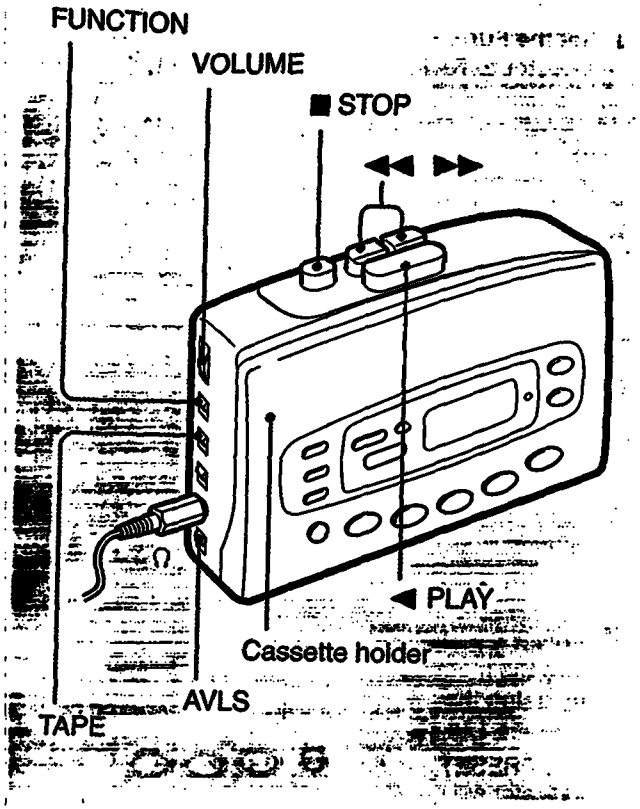


To stop the alarm	Press the ALARM STOP button.
To cancel the alarm setting	Press the ALARM ON/OFF button. The ALARM and ON indicators will go off.

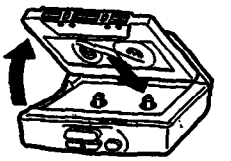
Notes

- The hour display does not advance even when the minute display returns to "00" after "59".
- You can hear the alarm from inside of the Walkman and also through the headphones when operating the tape player and radio.
- The hour display is on a 12-hour cycle.
- Even if you do not press the ALARM STOP button, the alarm will automatically stop after 10 minutes or so.
- The preset alarm time will not be canceled even if you press the ALARM STOP button.

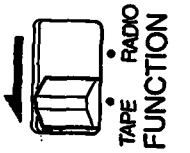
Playing Cassettes



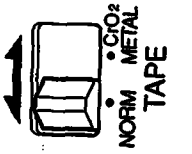
1 Insert a cassette.



2 Set the FUNCTION selector to TAPE.



3 Set the TAPE selector to NORM or CrO_2/METAL to match the tape type.



4 Press the ◀ PLAY button.

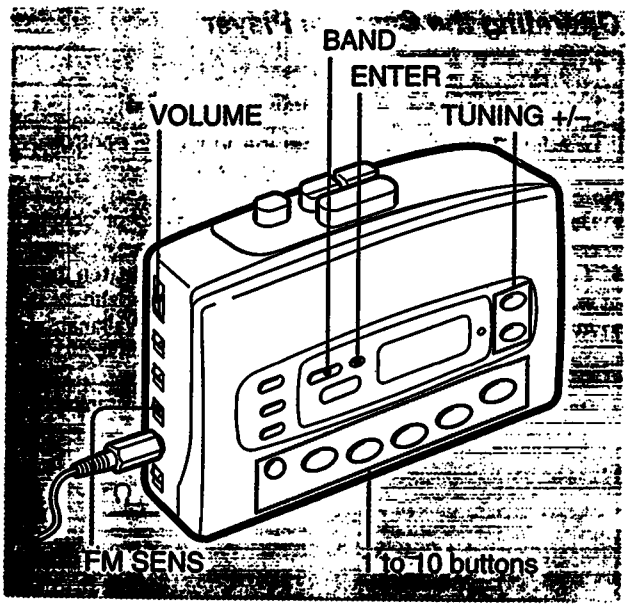
Operating the Cassette Player

To stop	Press ■ STOP.
To wind the tape	Press ▶▶ or ◀◀.
To adjust the volume	Set the VOLUME control.

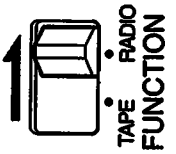
Notes on playing cassettes

- Do not use cassettes longer than 90 minutes except for long continuous playback.
- If your Walkman has not been used for a long time, run the Walkman for a few minutes before inserting a cassette.
- Avoid winding the headphones cord around the Walkman. The buttons may be kept pressed, causing unnecessary battery usage.
- Do not open the cassette holder while the tape is running.

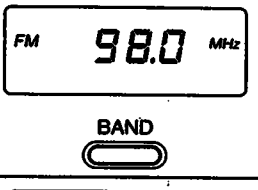
Listening to the Radio



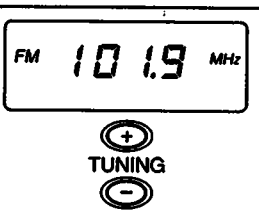
1 **Set the FUNCTION selector to RADIO.**



2 **Press the BAND button to select the band.**



3 **Press the TUNING +/– buttons to tune in the desired station.**



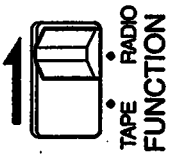
To turn off	Set the FUNCTION selector to TAPE.
To adjust the volume	Set the VOLUME control.

Notes

- When you press the TUNING – or + button for more than half a second, the automatic tuning begins, and then automatically stops everytime a station is received.
- To stop the automatic tuning, press the TUNING – or + button again.
- The STEREO indicator appears on the display when receiving a stereo broadcast.
- The automatic tuning may occasionally miss the best tuning point for a radio station. If this happens, press the TUNING – or + button to adjust the tuning.
- If you have inserted a cassette with a metallic shell or label, and interference in radio reception occurs, remove the cassette.

Presetting Stations

1 **Set the FUNCTION selector to RADIO.**



2 **Tune in the desired station by using the BAND and TUNING +/– buttons.**

3 **Press the ENTER button to enter the presetting mode.**

The PRESET indicator appears and starts flashing.

4 **Preset the station into the memory by using the buttons 1 to 10.**

The PRESET indicator will go off after 5 seconds.

Note

To preset stations on buttons 6 to 10, first press the +5 button and then press a button from 1 to 5. Both the +5 indicator and then the PRESET indicator appear in the display and go off after 5 seconds.

Note

To stop the presetting procedure just after pressing the ENTER button, press the ENTER button again. The PRESET indicator will go off.

To recall the preset station

Press the corresponding preset button.

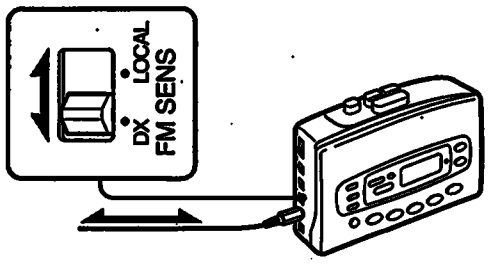
The PRESET indicator appears and goes off after 5 seconds.

To recall preset stations on buttons 6 to 10, first press the +5 button and then press a button from 1 to 5. Both the +5 indicator and then the PRESET indicator appear in the display and go off after 5 seconds.

Improving Radio Reception

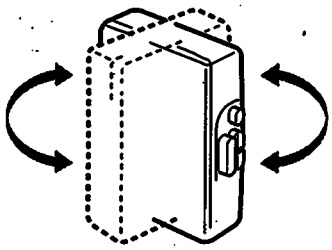
Improving FM reception

Extend the headphones cord or adjust the FM SENS selector.



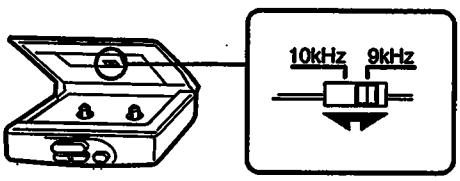
Improving AM reception

Rotate the Walkman.



Changing the AM Tuning Interval

The AM tuning interval is factory preset to 10 kHz in order to match the local frequency allocation system. If you use the receiver in an area where the frequency allocation system is based on 9 kHz interval, change the position of the switch with a thin instrument.



Note

If you change the interval, the memories of all the preset stations, the current time, and the alarm time will be canceled.

If the Display Shows Incorrect Information

When you use the Walkman for the first time or when you have left the Walkman without batteries for a long period of time, the display may show incorrect information or the preset stations may not be recalled correctly. If this happens, using a thin instrument, change the AM tuning interval which is illustrated above to the other position and reset it to the original position.

The memories of all the preset stations, the current time, and the alarm time will be canceled.

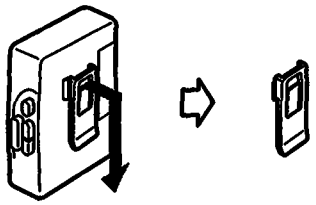
After that, set the clock to the current time again.

Using the Belt Clip

With the supplied belt clip, you can wear your Walkman on a belt for convenient use.

Removing the Belt Clip

Lift the tab slightly and push down with your finger to remove the belt clip from the Walkman.



Attaching the Belt Clip

Align the belt clip with the grooves on the back of the Walkman and slide the belt clip up until you hear a click, to firmly attach it to the Walkman.

Specifications

Radio Frequency

FM: 87.5 – 108 MHz
AM: 530 – 1,710 kHz

Power Requirements

3 V DC Batteries AA (R6) x 2
External DC 3 V power sources

Battery Life

(approximate hours when using the batteries specified below)

Battery	Playback	Radio
Sony Alkaline AM3 (N)	9.5 hours	39 hours
Sony SUM-3 (NS)	4.5 hours	16 hours

Supplied Accessories

– Stereo headphones (1)
– Belt clip (1)

Optional Accessories

– AC power adaptor AC-E30L
– Car battery cord DCC-E130L

Your dealer may not handle some of the above listed accessories. Please ask the dealer for detailed information.

Design and specifications are subject to change without notice.

Precautions

Notes on headphones

Concerning Road Safety

Do not use headphones while driving, cycling, or operating any motorized vehicle. It may create a traffic hazard and is illegal in many areas. It can also be potentially dangerous to play your headsets at high volume while walking, especially at pedestrian crossings. You should exercise extreme caution or discontinue use in potentially hazardous situations.

Preventing hearing damage

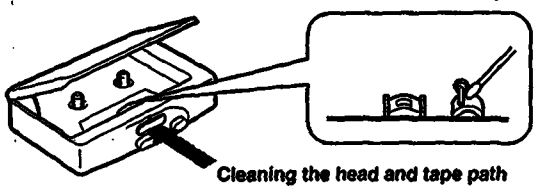
Avoid using headphones at high volume. Hearing experts advise against continuous, loud and extended play. If you experience a ringing in your ears, reduce volume or discontinue use.

Caring for others

Keep the volume at a moderate level. This will allow you to hear outside sounds and to be considerate to the people around you.

Taking Care of Your Walkman

- Avoid exposing the Walkman to extreme temperatures, direct sunlight, moisture, sand, dust or mechanical shock. Never leave the Walkman in a car parked in the sun.
- Prolonged use may contaminate the tape head. If sound drop-out or excessive noise occurs, clean the head and tape path with alcohol.

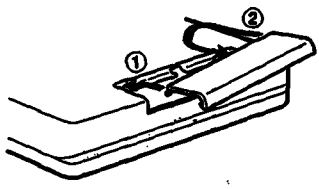


Cleaning the head and tape path

- Clean the headphones plug periodically for optimum sound.
- Do not use alcohol, benzine or thinner to clean the case.

About the Battery Compartment Lid

If the battery compartment lid is detached by an accidental drop, excessive force etc., attach it as illustrated in the numbered order.



If you have any question or problem concerning your Walkman, please consult your nearest Sony dealer.

SONY

AUDIO TAPE RECORDER
COMPACT DISC COMPACT PLAYER
ELECTRONIC STILL VIDEO CAMERA
AND PLAYBACK ADAPTOR

LIMITED WARRANTY

SONY CORPORATION OF AMERICA ("SONY") warrants this product against defects in material or workmanship as follows:

1. For a period of 90 days from the date of purchase, SONY will pay the labor charges of your SONY authorized service facility to repair the defective product. After this 90-day period, you must pay for all labor charges.
2. In addition, SONY will supply, at no charge, new or rebuilt replacements for defective parts for a period of 1 year from the original date of purchase.

Labor and Parts

To obtain warranty service during the initial 90-day period, you must take the product, or deliver the product prepaid, to a SONY authorized service facility.

Parts Only

During the remainder of the warranty period, any defective part will be replaced if it is taken, or delivered prepaid, to a SONY service center. Labor for removal and installation is available from your SONY authorized service facility or SONY service center, at your expense.

This warranty does not cover cosmetic damage, and damage due to acts of God, accident, misuse, abuse or negligence to the product, including the antenna. This warranty is valid only in the United States of America.

Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the unit is within the warranty period must be presented to obtain warranty service.

This warranty is valid only if the serial number appears on the product.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. In addition, if you enter into a service contract with the Sony Partnership within 90 days of the date of sale, the limitation on how long an implied warranty lasts does not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

For your convenience, Sony Corporation of America has established the Customer Information Center to supply you with product or service information.

Important: If returning product for service, please see reverse side of this card for your nearest Sony Service Center.

SONY CUSTOMER INFORMATION CENTER
201-930-SONY (7669)
714-821-SONY (7669)
708-250-SONY (7669)

or write to:

Sony Customer Information Center
1 Sony Drive, Mail Drop #T1-11
Park Ridge, NJ 07656

SONY CORPORATION OF AMERICA
Sony Drive, Park Ridge, New Jersey 07656

Sony Service Centers

Arizona

Phoenix
2240 North Scottsdale Road
Tempe, AZ 85281
(602) 949-7669

California

Burbank (Los Angeles area)
4100 Riverside Drive, Suite A
Burbank, CA 91505
(818) 842-7669

Costa Mesa (Orange County area)
2129 Bristol Street South
Costa Mesa, CA 92626
(714) 549-4833

San Bruno (San Francisco area)
751 Camino Plaza
San Bruno, CA 94066
(415) 871-2810

San Diego
8975 Complex Drive
San Diego, CA 92123
(619) 279-2724

San Jose
1356 Old Oakland Road
San Jose, CA 95112
(408) 280-7669

Colorado

Denver
Havana Plaza Center
10740 East 6th Avenue
Aurora, CO 80014
(303) 755-7669

Florida

Fort Lauderdale
2930 North 28th Terrace
Hollywood, FL 33020
(305) 920-5600

Georgia

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Hawaii

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Honolulu, HI 96819
(808) 834-5622

Illinois

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Thompson Shopping Center
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(312) 929-8585

Niles (Chicago N.W.)
7540 North Caldwell Avenue
Niles, IL 60648
(708) 647-2400

Westmont (Chicago S.W.)
6036-38 South Cass Avenue
Westmont, IL 60559
(708) 969-0049

Kansas

Kansas City
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Overland Park
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(913) 888-2622

Maryland (Washington D.C.)

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9300 Sunnyside Avenue
Beltsville, MD 20705
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(617) 329-8130

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42304 Dixon Mile Road
Novi, MI 48050
(313) 344-4044

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4300 W. 36th Street
St. Louis Park, MN 55416
(612) 920-8000

Missouri

St. Louis
12462-D Natural Bridge Road
Bridgeton, MO 63044
(314) 291-2201

New Jersey

Mahwah (N.Y. Metropolitan Area)
396 Route 17 South
Mahwah, NJ 07430
(201) 529-1616

Union
Bauhaus Shopping Center
US Highway 22 At Morris Avenue
Union, NJ 07083
(201) 687-1515

Ohio

Cleveland
6370 York Road
Parma Heights, OH 44130
(216) 845-7669

Pennsylvania

Philadelphia
651 Park Avenue
King of Prussia, PA 19406
(215) 768-5850

Pittsburgh
Westland Plaza
10610 Perry Highway (Rt. 19)
Wexford, PA 15090
(412) 935-8468

Texas

Dallas
401 Preston Valley Shopping Center
Dallas, TX 75230
(214) 661-3537

Houston
7639 Westheimer
Houston, TX 77063
(713) 783-6761

Washington

Seattle
835 Ridge
Seattle, WA 98108
(206) 762-6500

Sony District Service Offices

Western Zone

Western District
Sony Service Company
2129 Bristol Street South
Costa Mesa, CA 92626
(714) 549-4836

Southwestern District
Sony Service Company
1356 Old Oakland Road
San Jose, CA 95112
(408) 280-7676

Southwestern District
Sony Service Company
2201 Premier Dr., Suite 100
Irving, TX 75063
(214) 550-5270

Central Zone

Mid-West District
Sony Service Company
1200 N. Arlington Heights Rd.
Itasca, IL 60143
(708) 773-7686

East Central District
Sony Service Company
26200 Town Center Drive,
Suite 300 Novi, MI 48050
(313) 347-2261

Eastern Zone

Eastern District
Sony Service Company
396 Route 17 South
Mahwah, NJ 07430
(201) 529 1616

Mid-Atlantic District
Sony Service Company
651 Park Avenue
King of Prussia, PA 19406
(215) 768-5845

Southeastern District
Sony Service Company
120 Interstate North Parkway East
Suite 416
Atlanta, GA 30339
(404) 953-5858